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Title:  
Enzyme scouring of vegetable fibre - using aq. soln. contg. carbohydrase and pectin decomposing enzyme

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**Abstract:**

The enzyme scouring of vegetable fibres composed mainly of cellulose fibre, is carried out with high efficiency without damaging the fibre. Ramie raw fibre is scoured by treating with an aq. soln. contg. (a) cellulose-decomposing enzyme, e.g. carbohydrates extracted from *Irpex lacteus* and (b) pectin-decomposing enzyme, e.g. pectinase extracted from *Fusarium moniliforme*.

The enzyme-scouring bath is prepared by dissolving commercial enzyme, i.e. those having strength factor of 200-500 unit/mg in water to obtain 0.1-1.0 wt. % soln., followed by adjusting the Ph at 4-6. The treatment is carried out at 30-45 degrees C for 0.5-10 hrs. If necessary the enzyme-scoured fibre material is then treated with an aqs. soln. contg. alkali and thiosulphate.

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Derwent Class:  
D16 (Fermentation industry); F06 (Chemical-type treatment of textiles)

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